insert --(SEQ ID NOS:12, 20, 21)--.

as

Page 46 (Abstract), after the last line, beginning on a new page, please insert the attached Sequence Listing. As suggested in revised 37 C.F.R. §1.823(a), effective July 1, 1998, the pages of the substitute Sequence Listing are numbered independently of the specification as originally filed, and begin with page number -1-.

REMARKS

Claims 1-20 are pending in the present application.

Applicants have now submitted a Sequence Listing and a corresponding computer-readable Sequence Listing. Sequence Identifiers (SEQ ID NO:) have been added to the specification. The sequence information recorded in the corresponding computer-readable Sequence Listing is identical to the paper copy of the Sequence Listing. Support for all of the sequences listed in the Sequence Listing is found in the present application as originally filed. No new matter is believed to have been introduced by the submission of the Sequence Listing and the corresponding computer-readable Sequence Listing.

Applicants submit that the present application is ready for examination on the merits.

Early notice to this effect is earnestly solicited.



Respectfully submitted,

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

Norman F. Oblon Attorney of Record Registration No. 24,618

Daniel J. Pereira, Ph.D. Registration No. P45,518

Crystal Square Five - Fourth Floor 1755 South Jefferson Davis Highway Arlington, VA 22202

TEL: (703) 413-3000 FAX: (703) 413-2220

I:\User\DJPER\10.Dec-99\00100929.pr